



DESCRIPTION

HYDRAULIC DEVICE

[0001] Technical Field

[0002] The present invention relates to a fluid pressure apparatus in which both ports of a fluid pressure pump, driven by an electric motor and rotatable in both directions, are respectively connected to both ports of a fluid pressure actuator through a pair of pipe lines.

[0003] Background Art

[0004] There are known conventional fluid pressure apparatus, such as one shown in Publication of Unexamined Japanese Patent Application No. 10-26101 (page 2, FIG. 2), in which both ports of a fluid pressure pump driven, by an electric motor and rotatable in both directions, are respectively connected to both ports of a fluid pressure actuator through a pair of pipe lines. In this fluid pressure apparatus, a fluid pressure tank and a pair of pipe lines are connected through check valves oriented in respective directions to allow the flow from the fluid pressure tank. The sealed fluid pressure tank is preloaded by introducing air pressure.

[0005] According to such a conventional fluid pressure